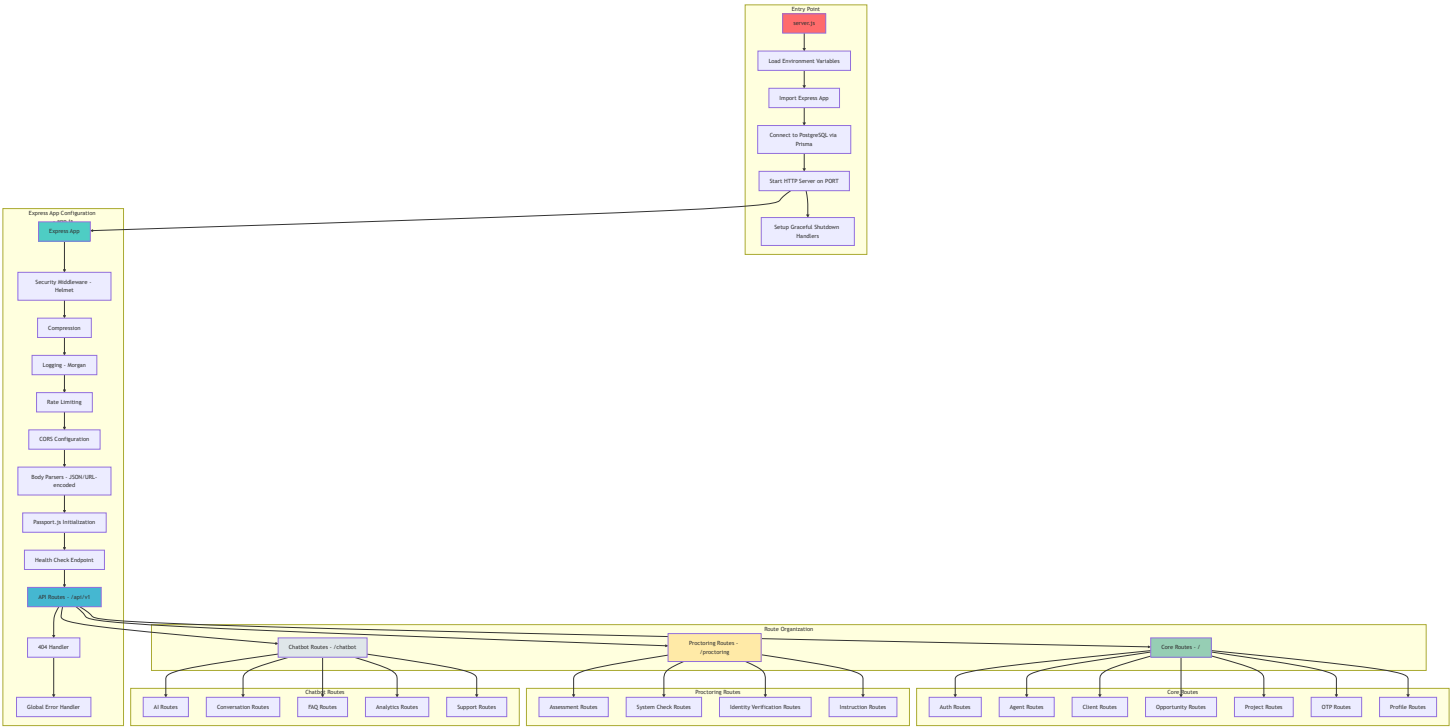
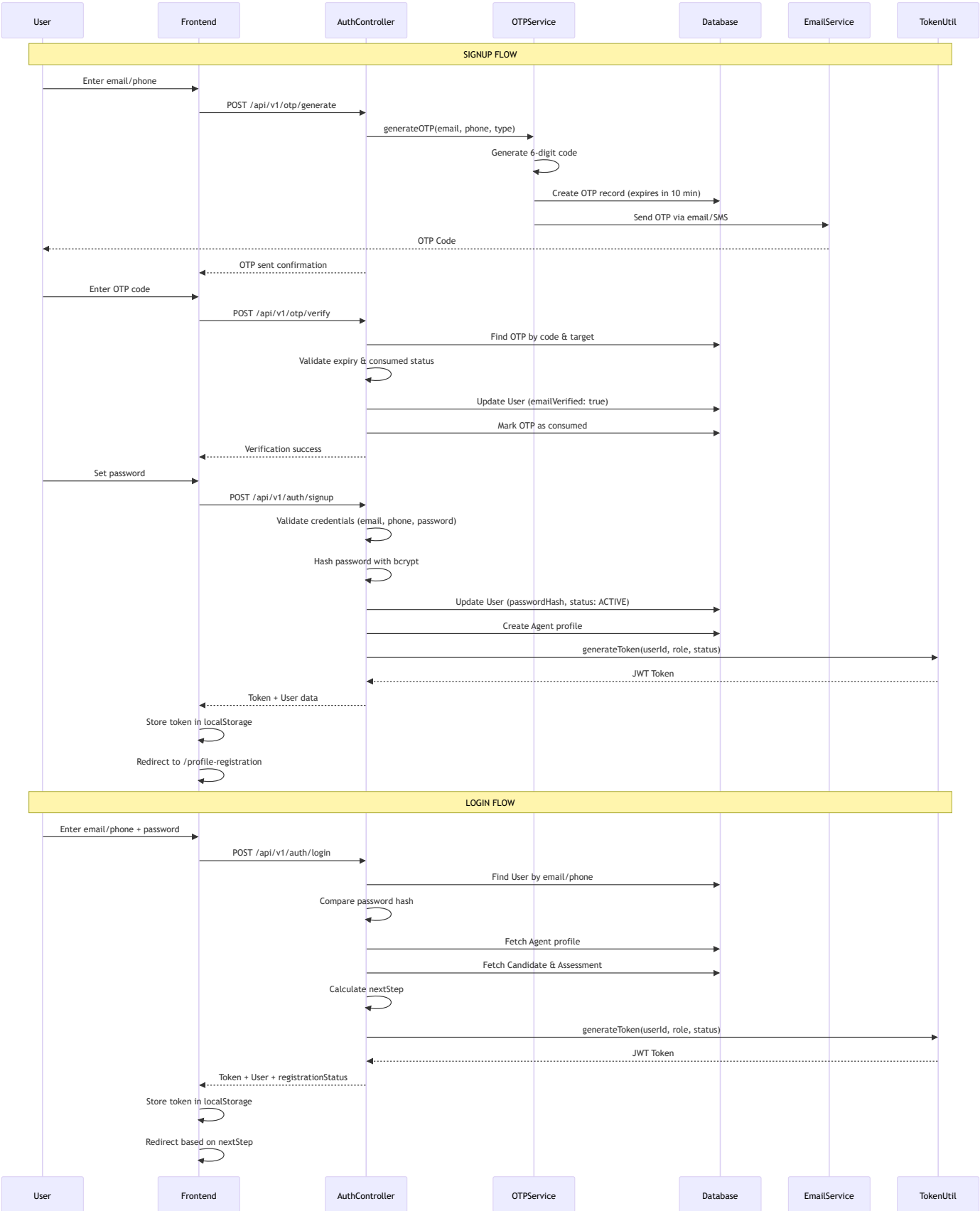


Backend Architecture Flowcharts

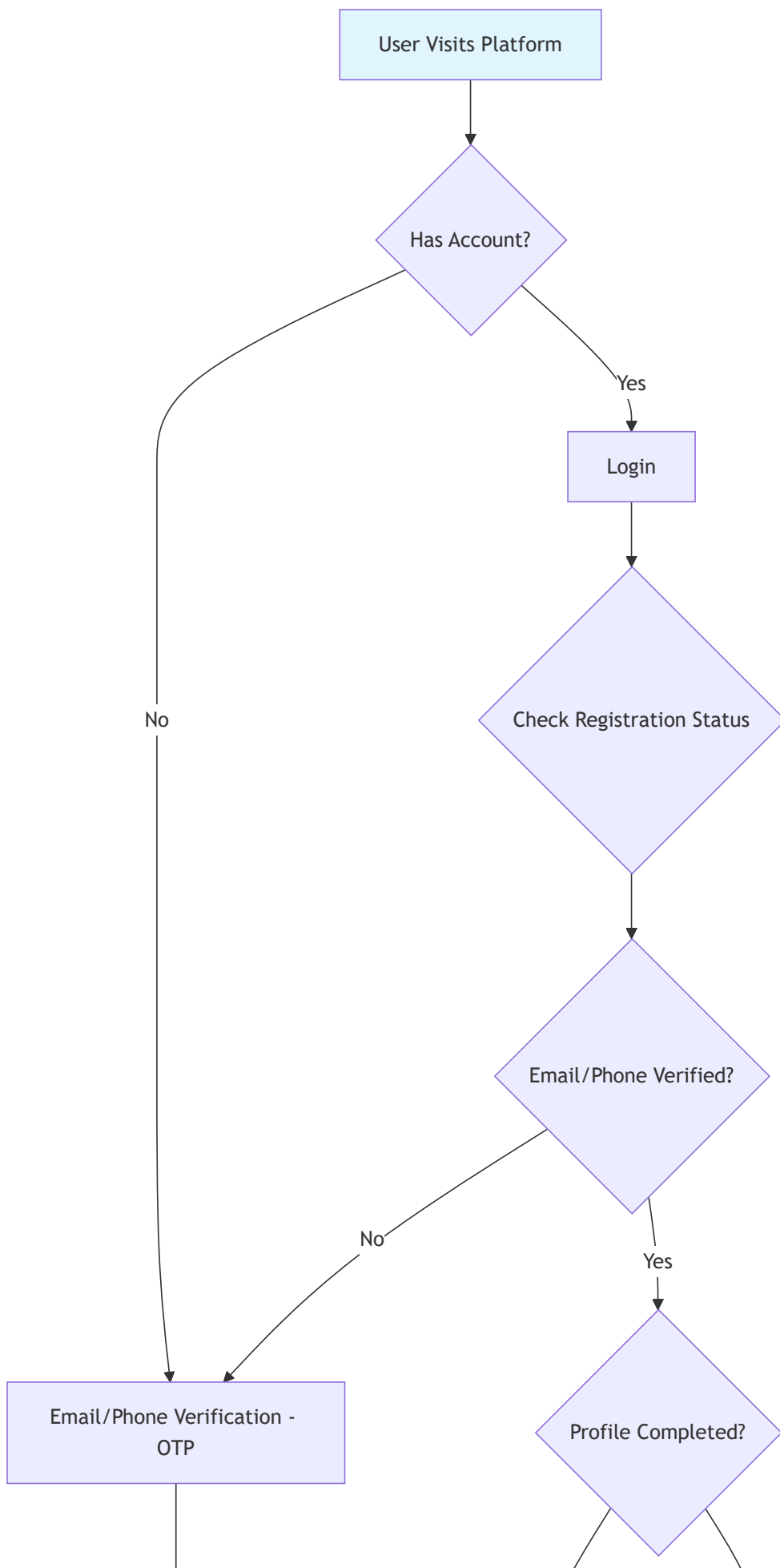
1. Backend System Architecture

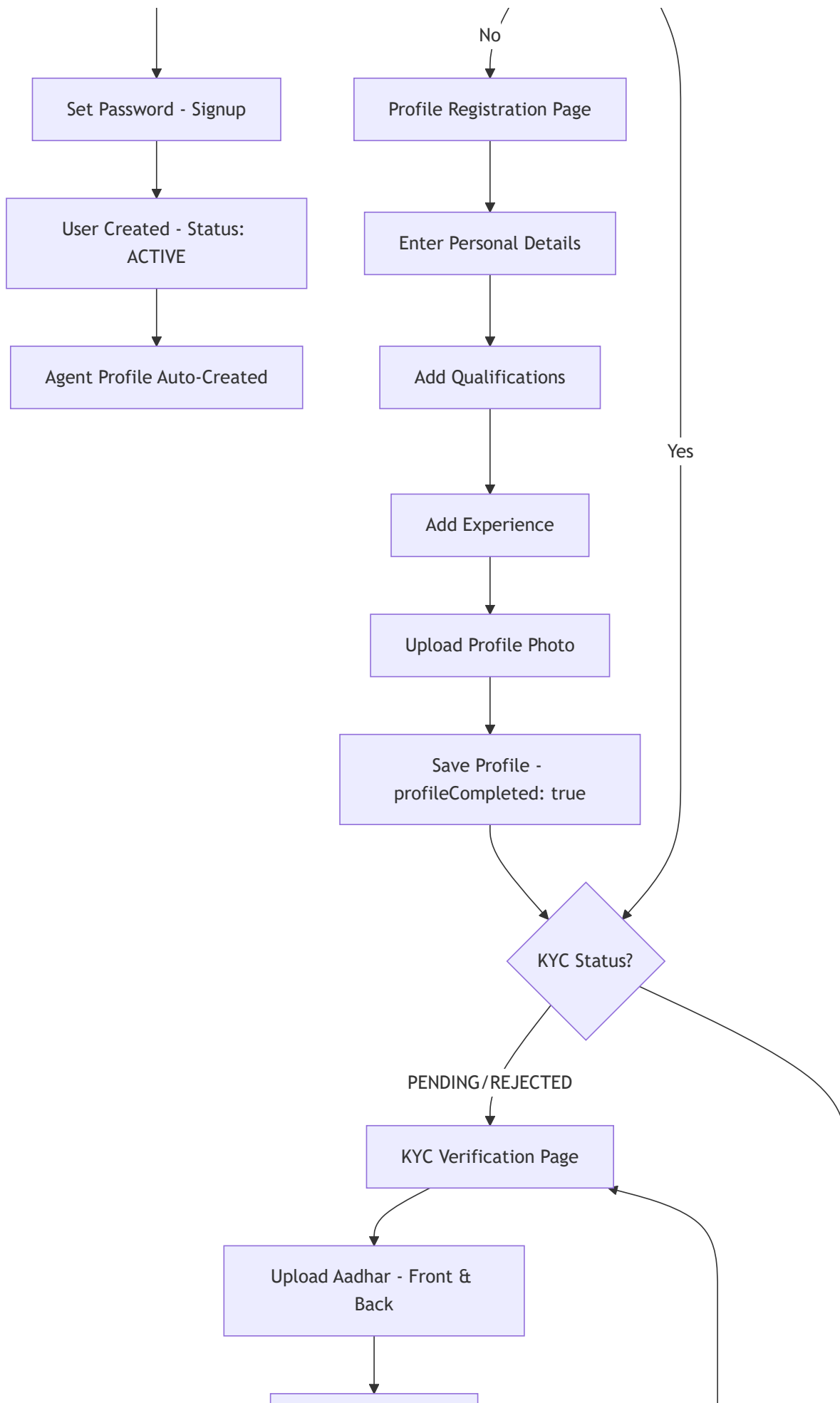


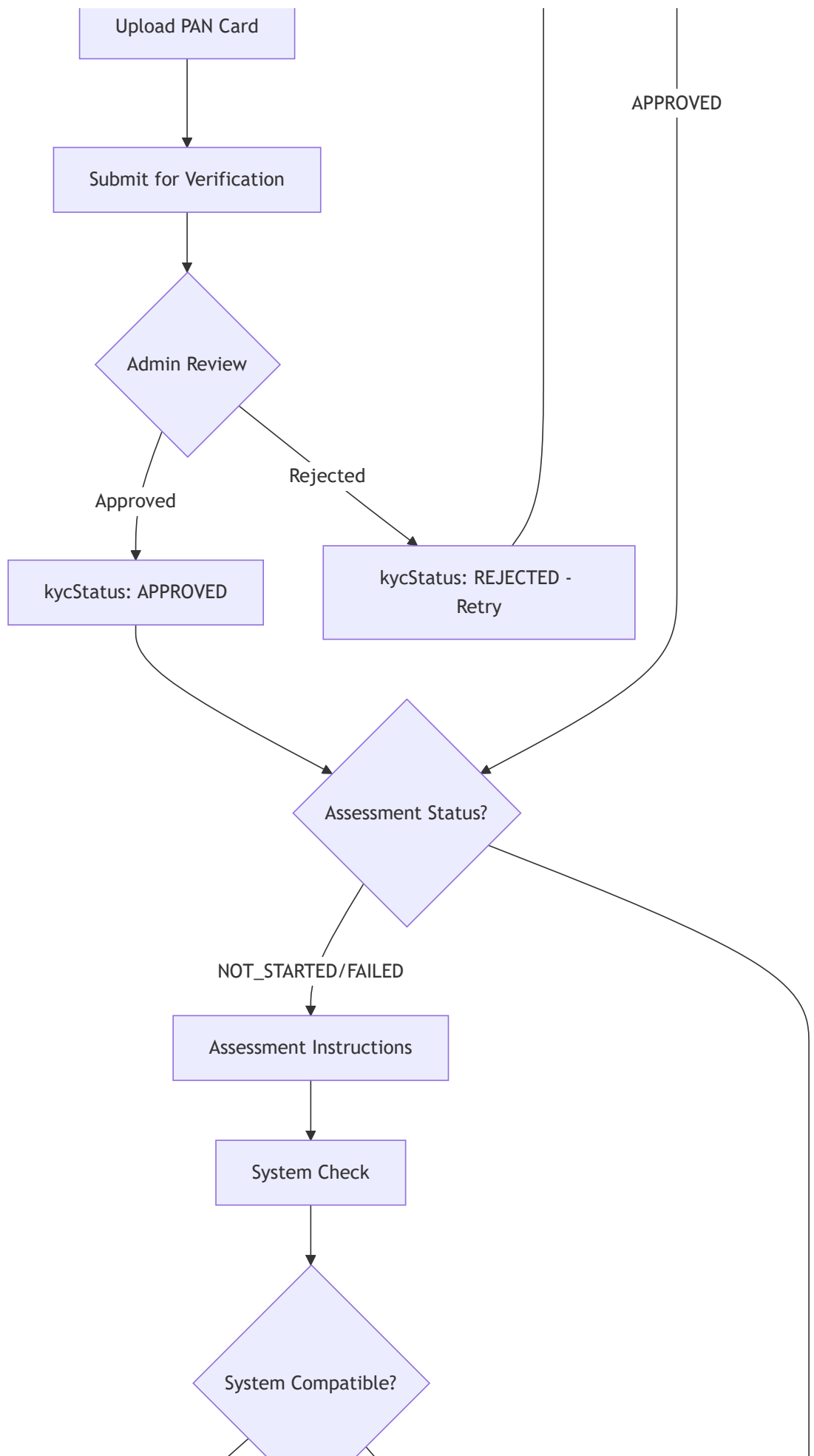
2. Authentication Flow - Signup & Login

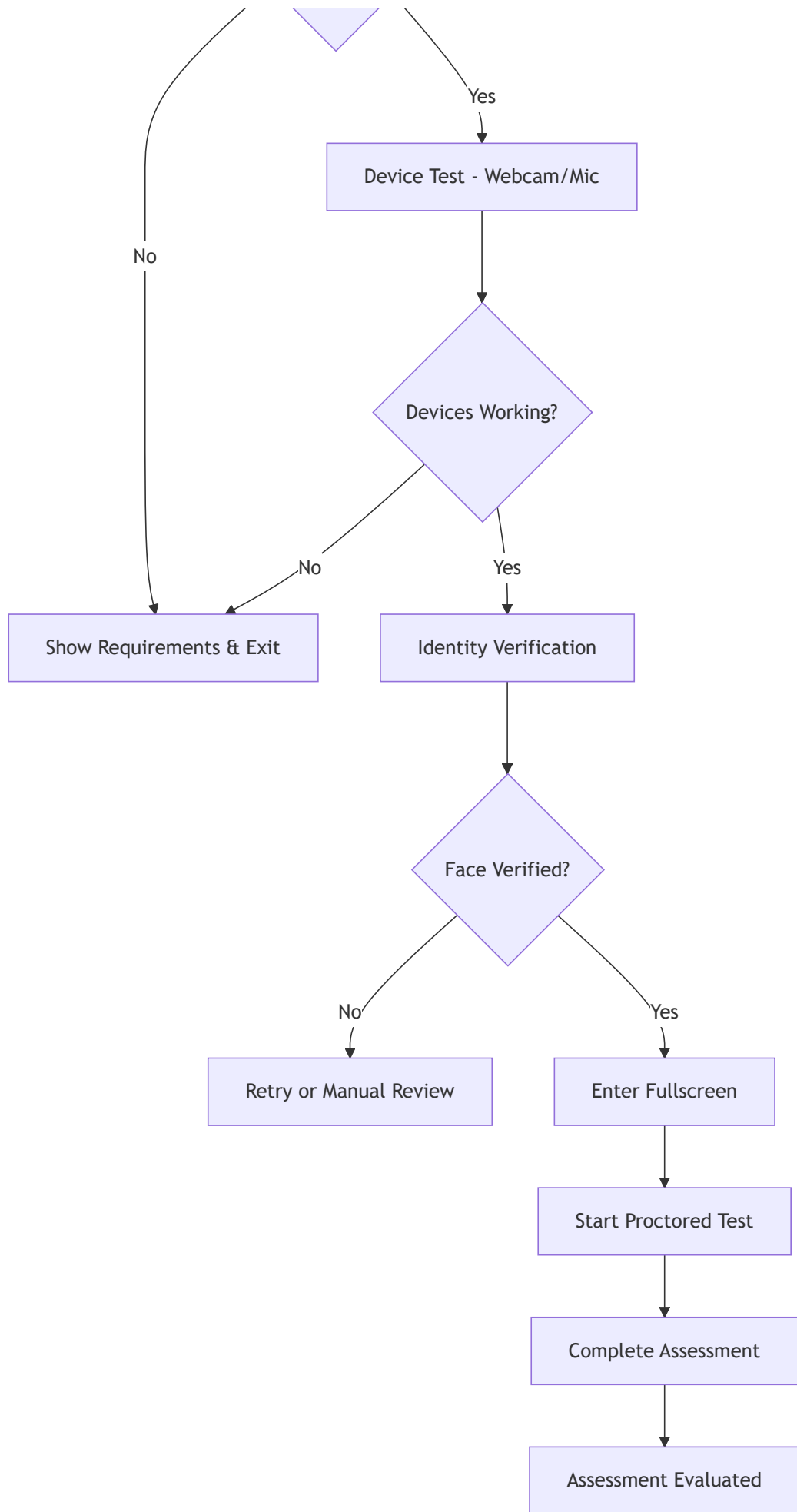


3. Agent Onboarding Flow

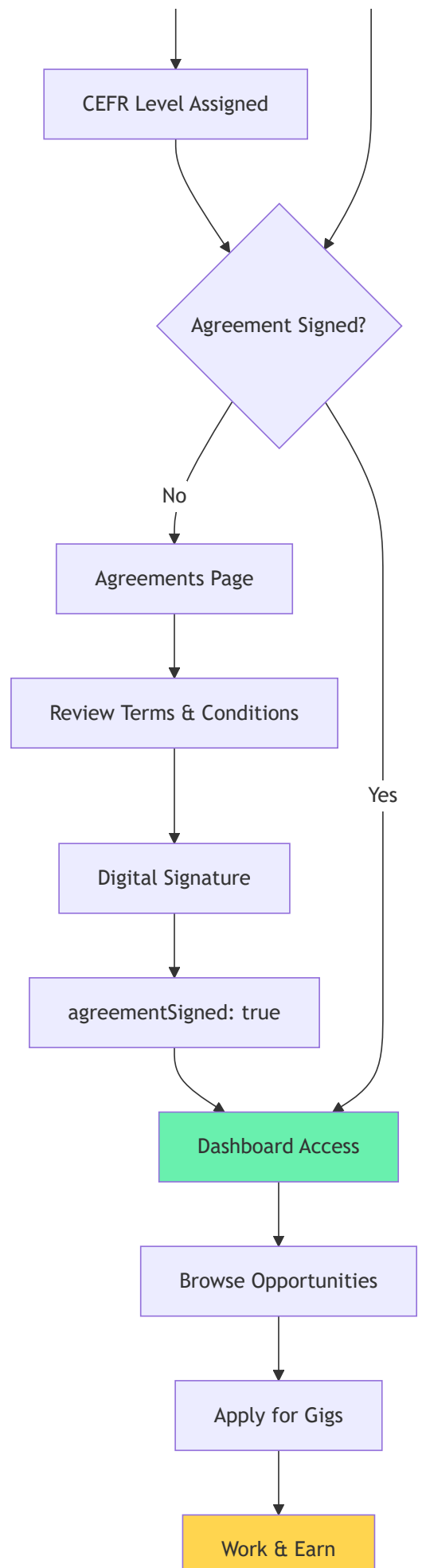






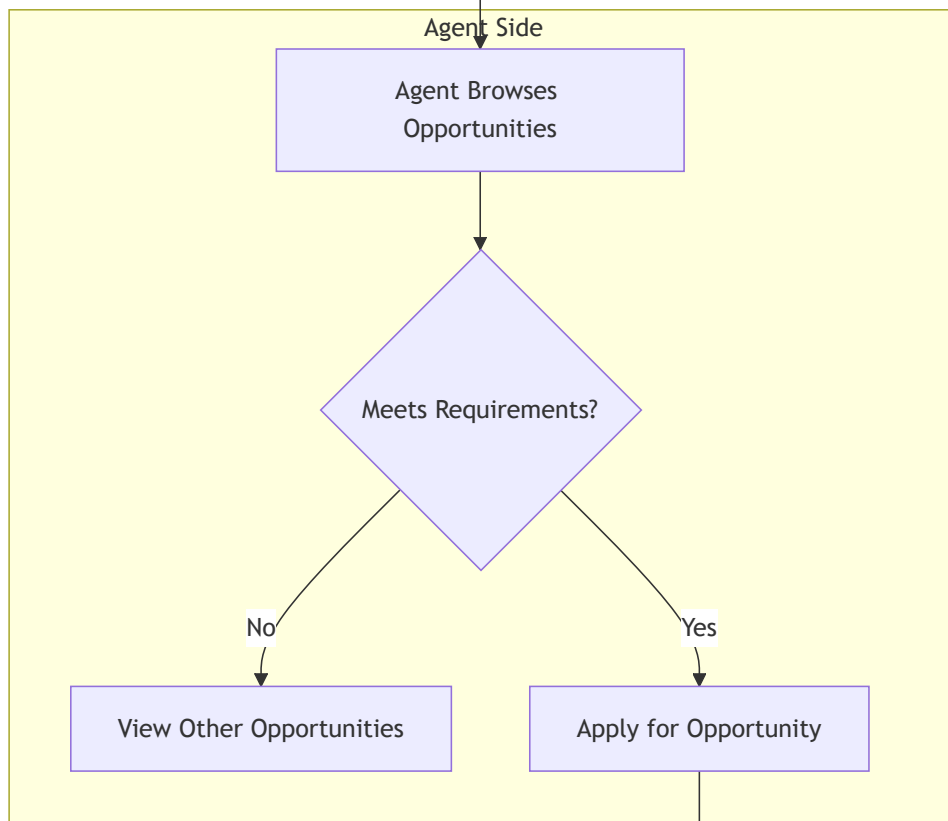
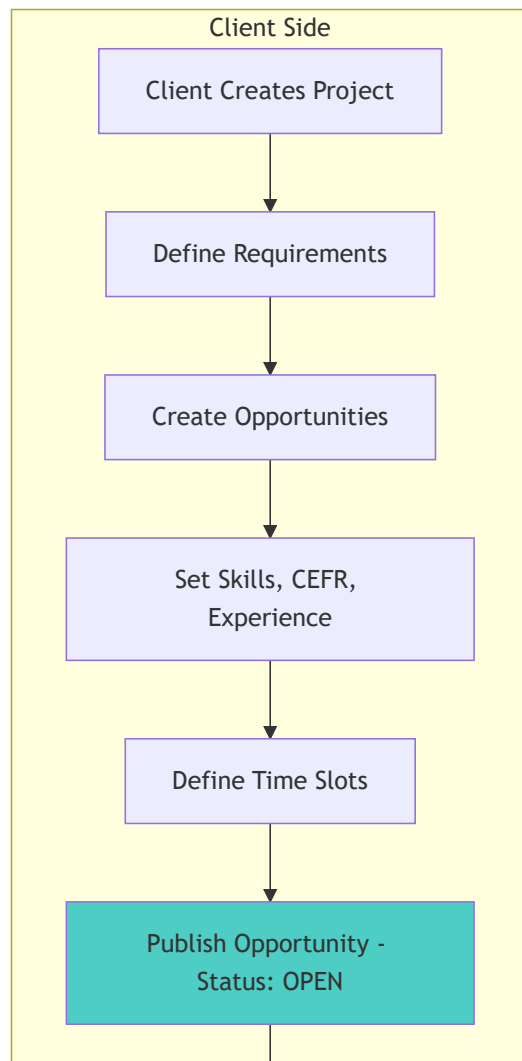


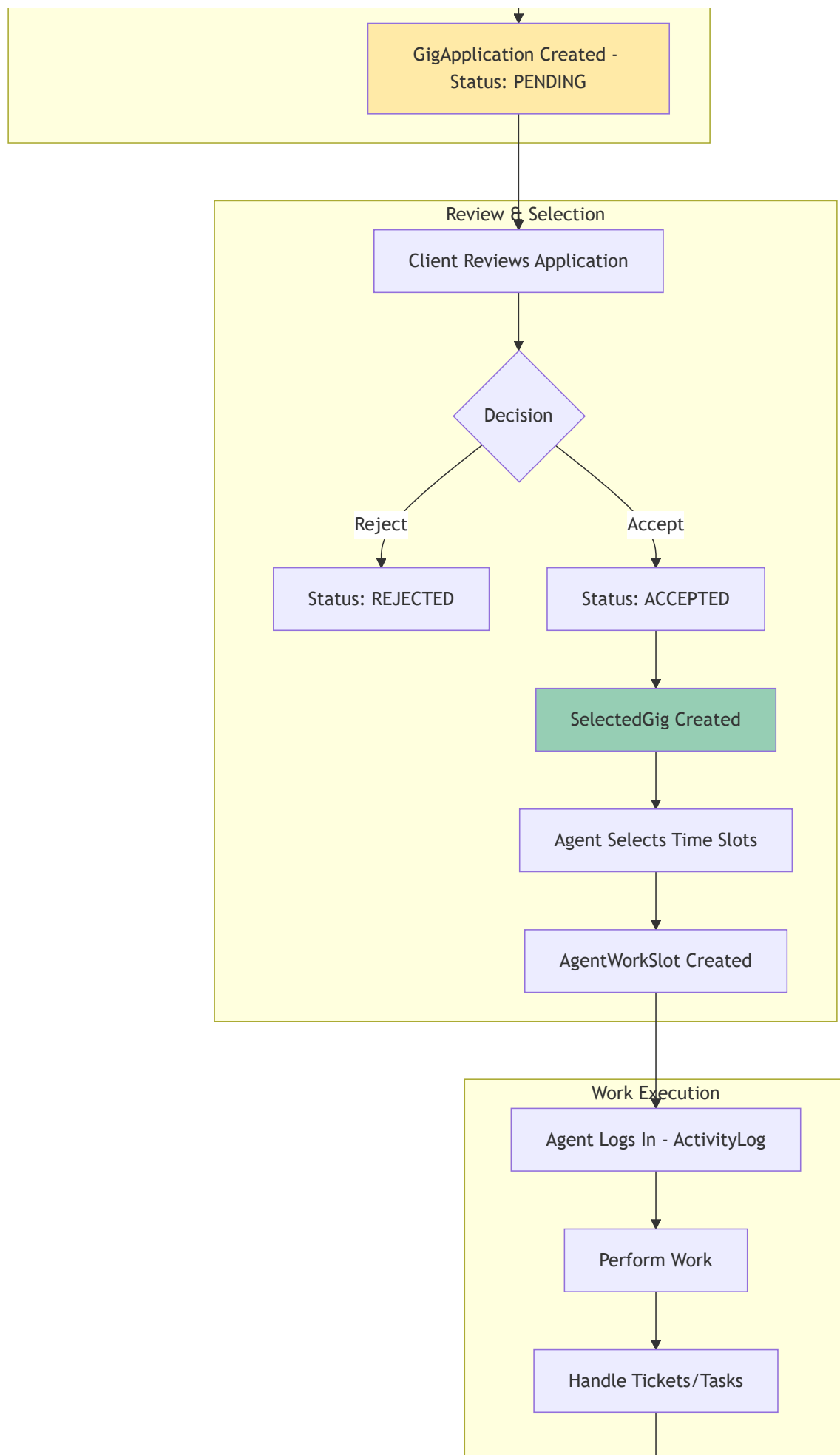
COMPLETED

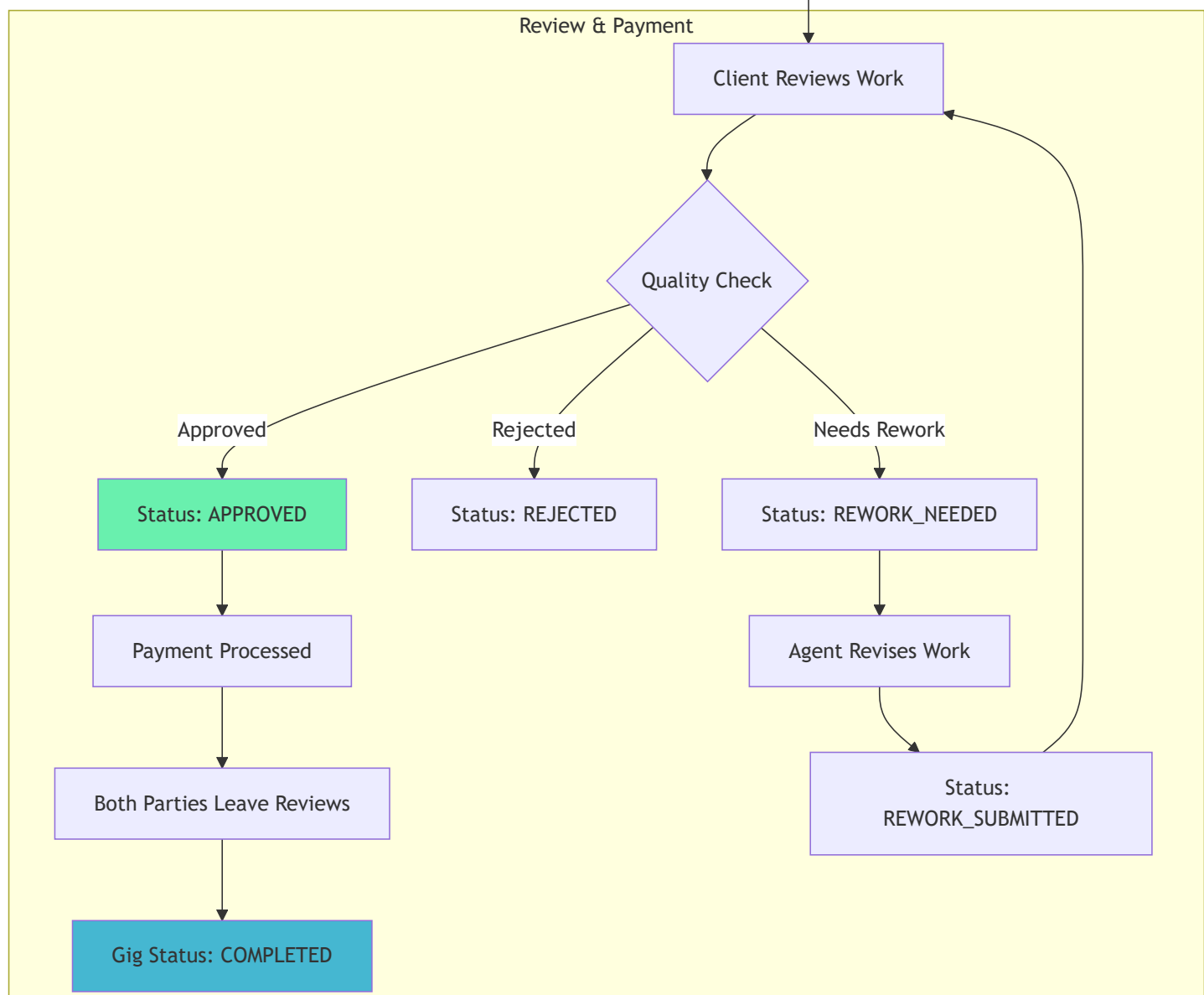
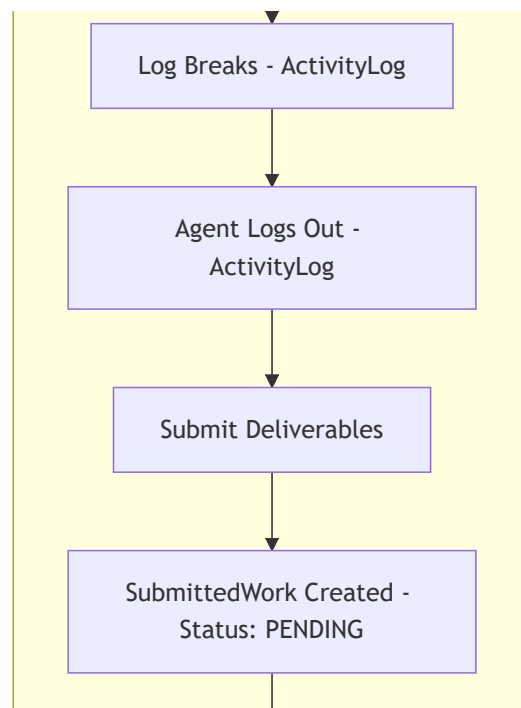


4. Opportunity Application & Gig Flow

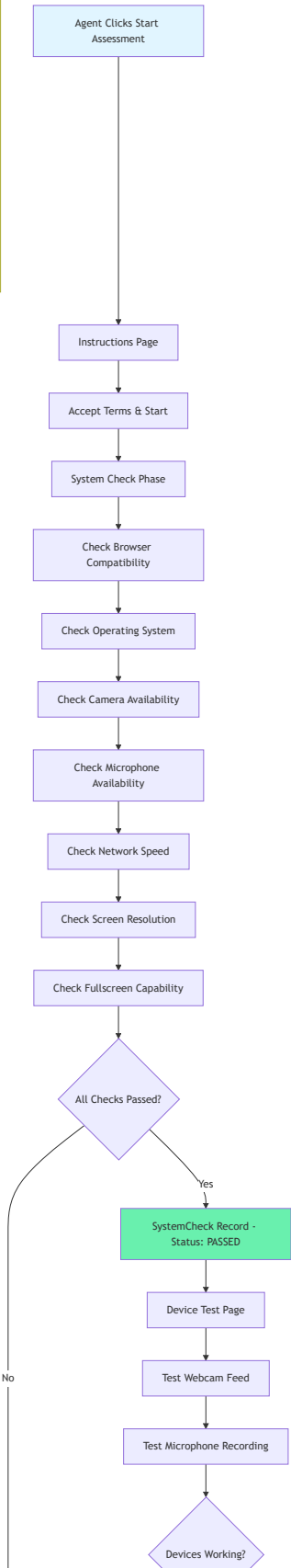
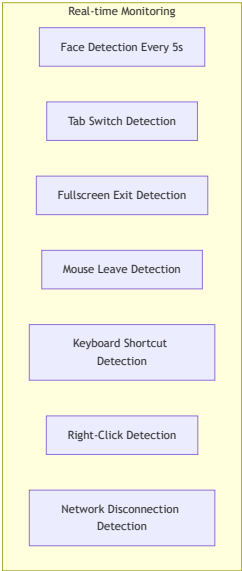
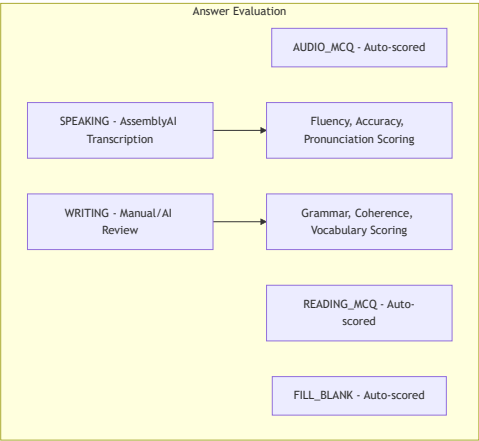


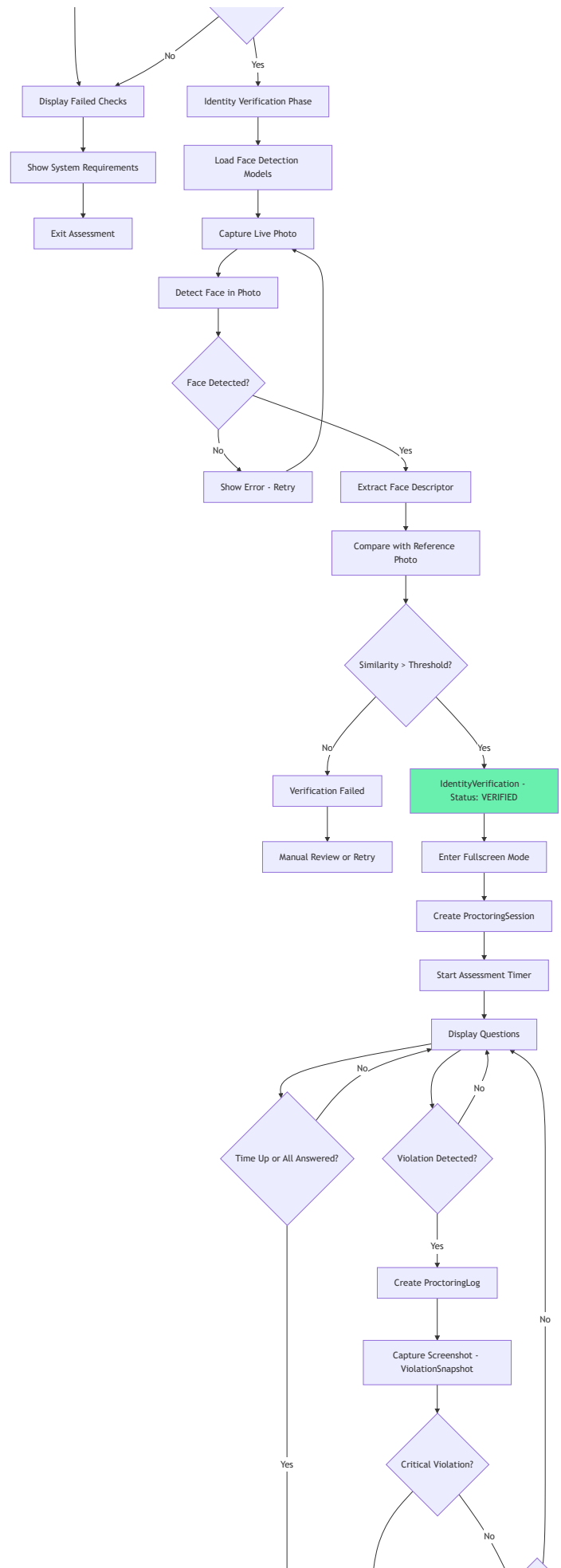




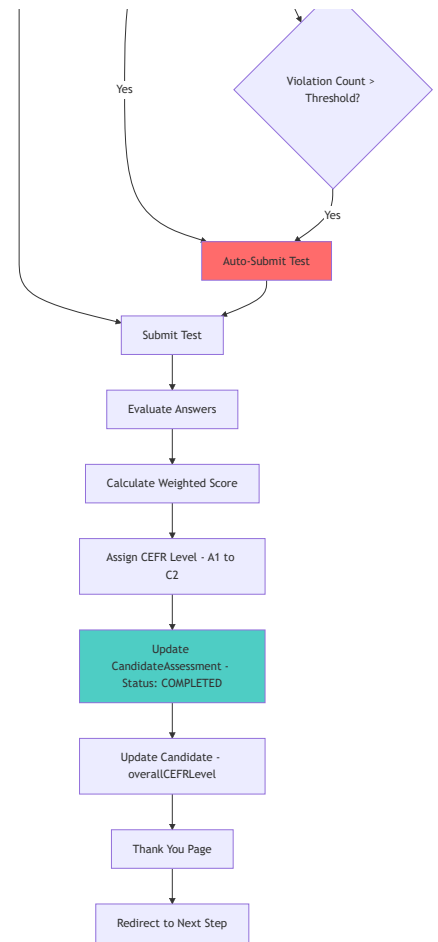


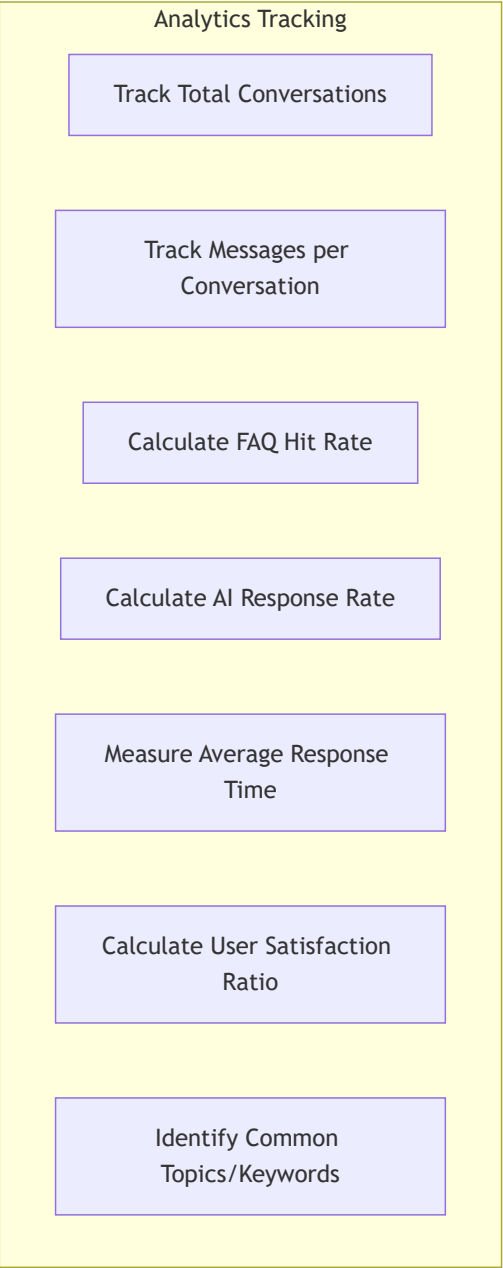
5. Proctoring & Assessment System Flow





6. Chatbot System Flow





User Opens Chatbot Widget

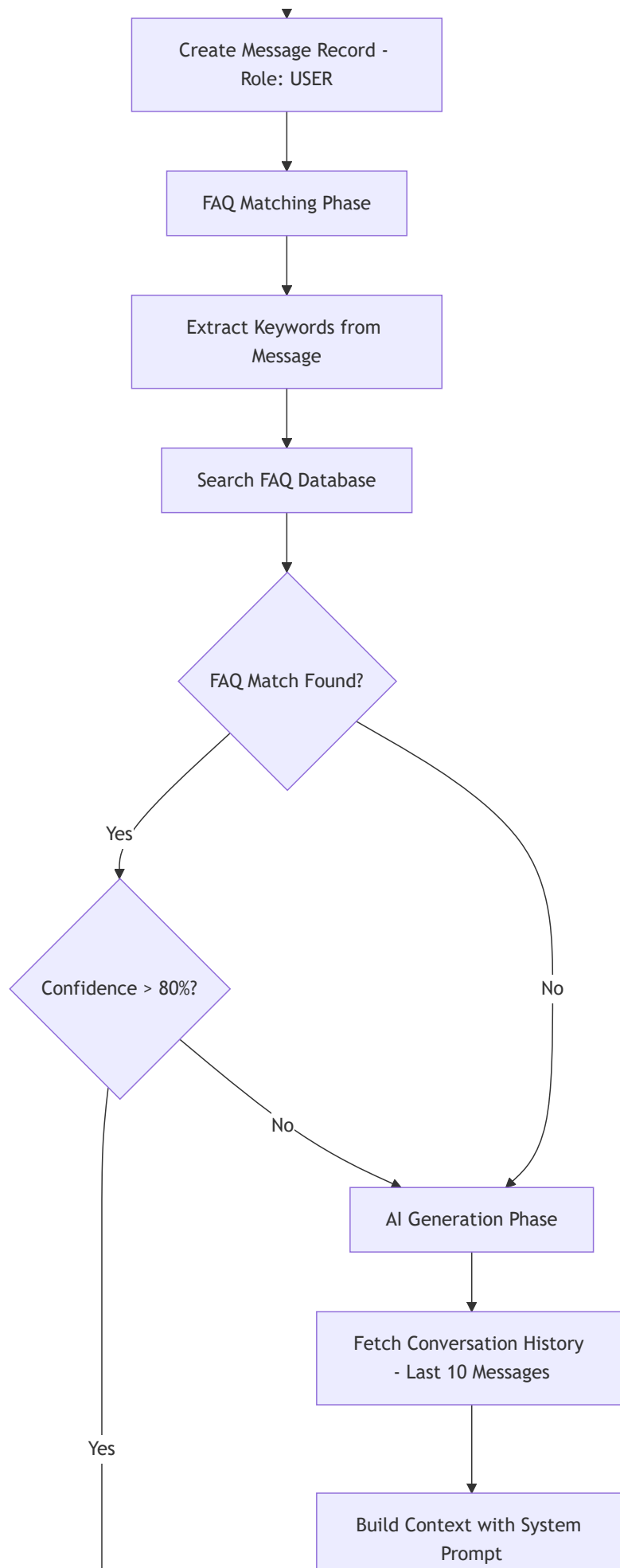
Initialize Conversation

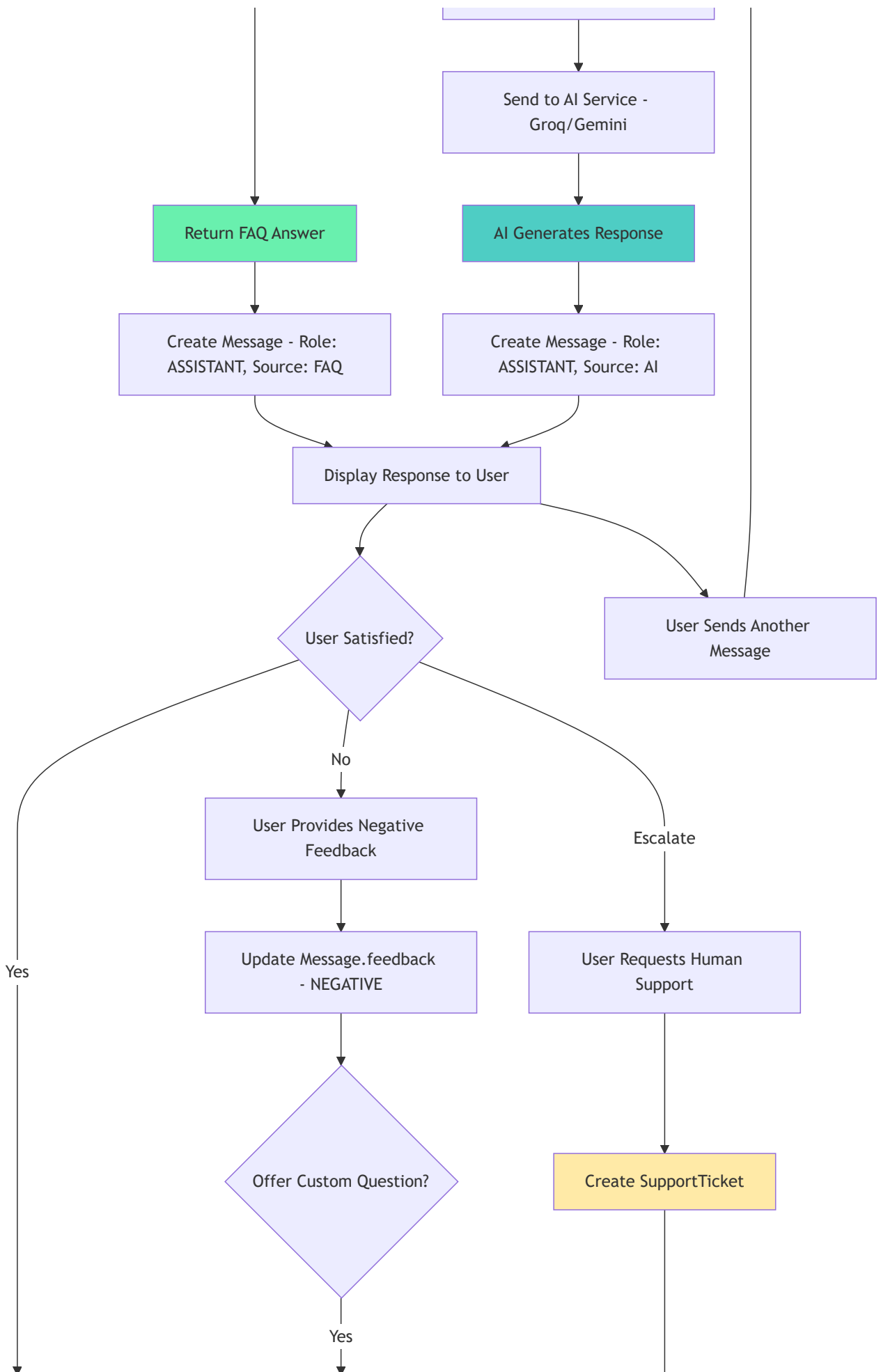
Create Conversation Record

Display Welcome Message

User Sends Message







4. **Opportunity Management:** Application, selection, work execution, and payment flow
5. **Proctoring System:** Comprehensive assessment flow with real-time monitoring
6. **Chatbot System:** FAQ matching, AI generation, and support escalation
7. **Database Relationships:** Entity relationships across 30+ models
8. **API Request Flow:** Middleware stack and request processing pipeline

The backend is built with security, scalability, and maintainability as core principles, using modern Node.js/Express patterns with Prisma ORM for database management.